

Applicant: Keiko MOTOKAWA, et al.

Title: Compiler and Method for Optimizing Object Codes ...

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FIG. 1

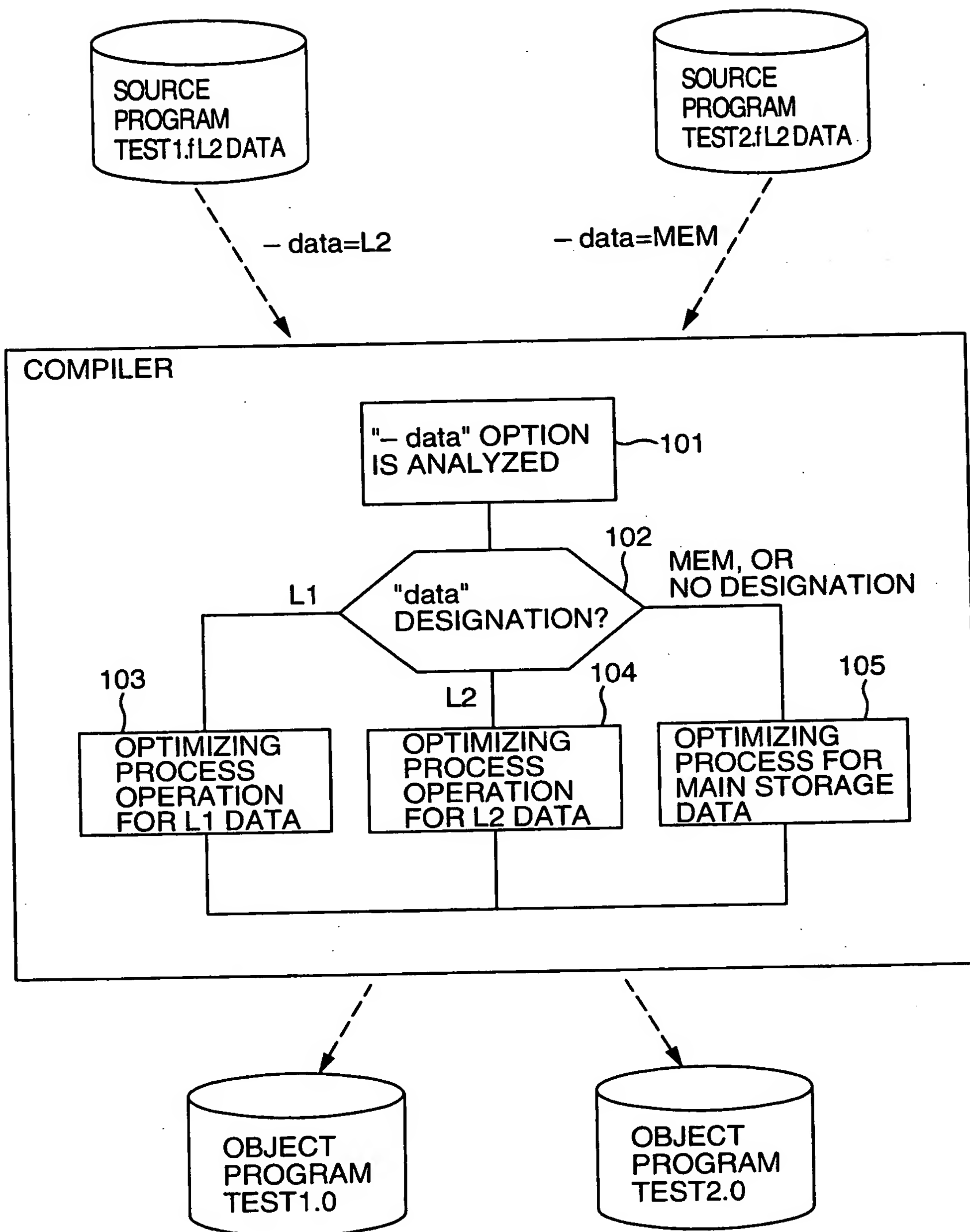


FIG. 2

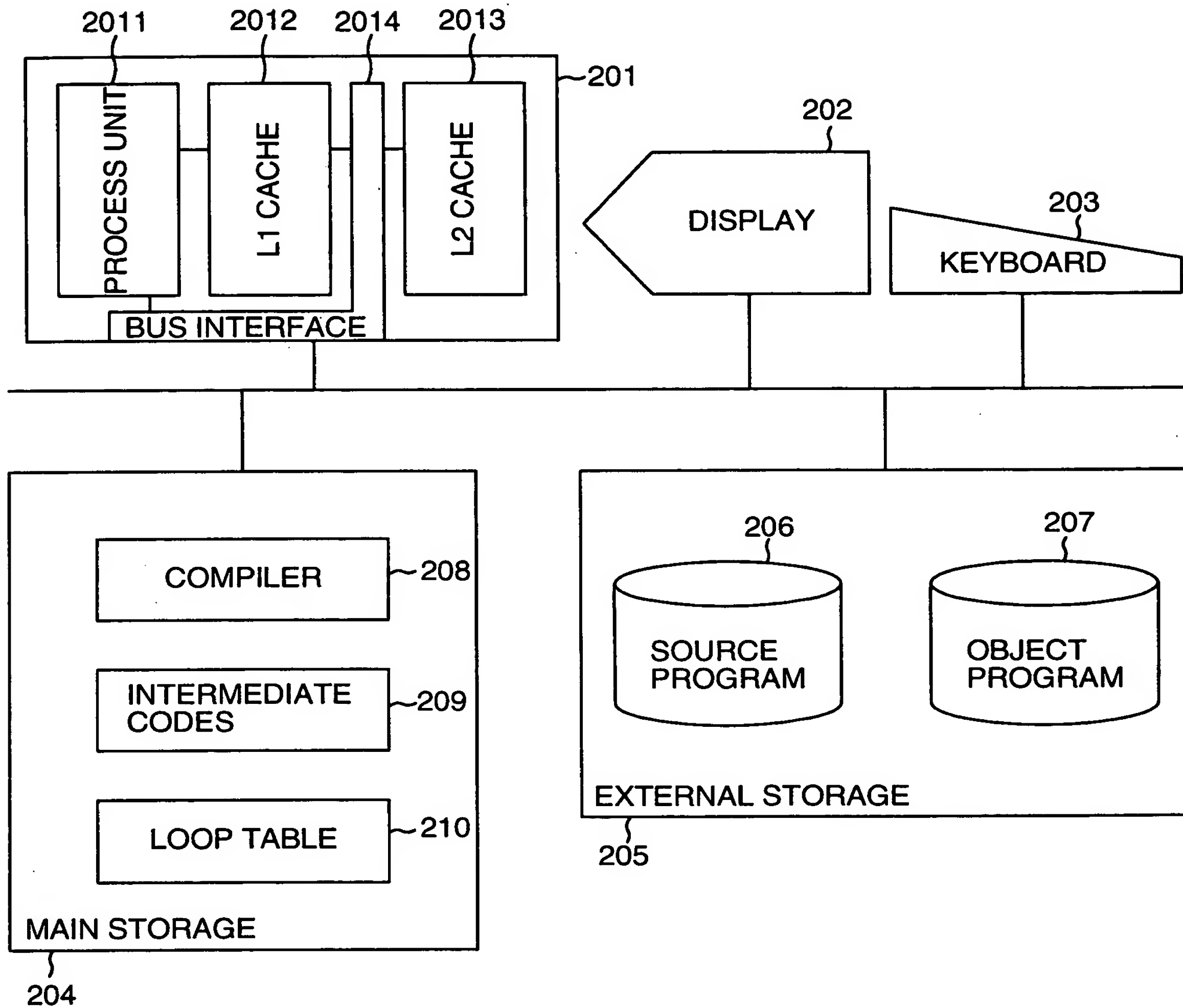


FIG. 3

f90 -0 -data=L2 test . f

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FIG. 4

```
subroutine test1 (A,B,C,D,E,F,N)
real*8 A(N),B(N),C(N),D(N),E(N),F(N)
```

```
*option data (L1) 401
```

```
do 10 I=1,N
  A(I)=B(I)
10 continue
```

```
*option data (MEM) 402
```

```
do 20 I=1,N
  C(I)=D(I)
20 continue
```

```
*option data (L2) 403
```

```
do 30 I=1,N
  E(I)=F(I)
30 continue
end
```

FIG. 6

LOOP NUMBER	"data" DESIGNATION
1	L2
2	MEM
3	NO DESIGNATION
4	L1

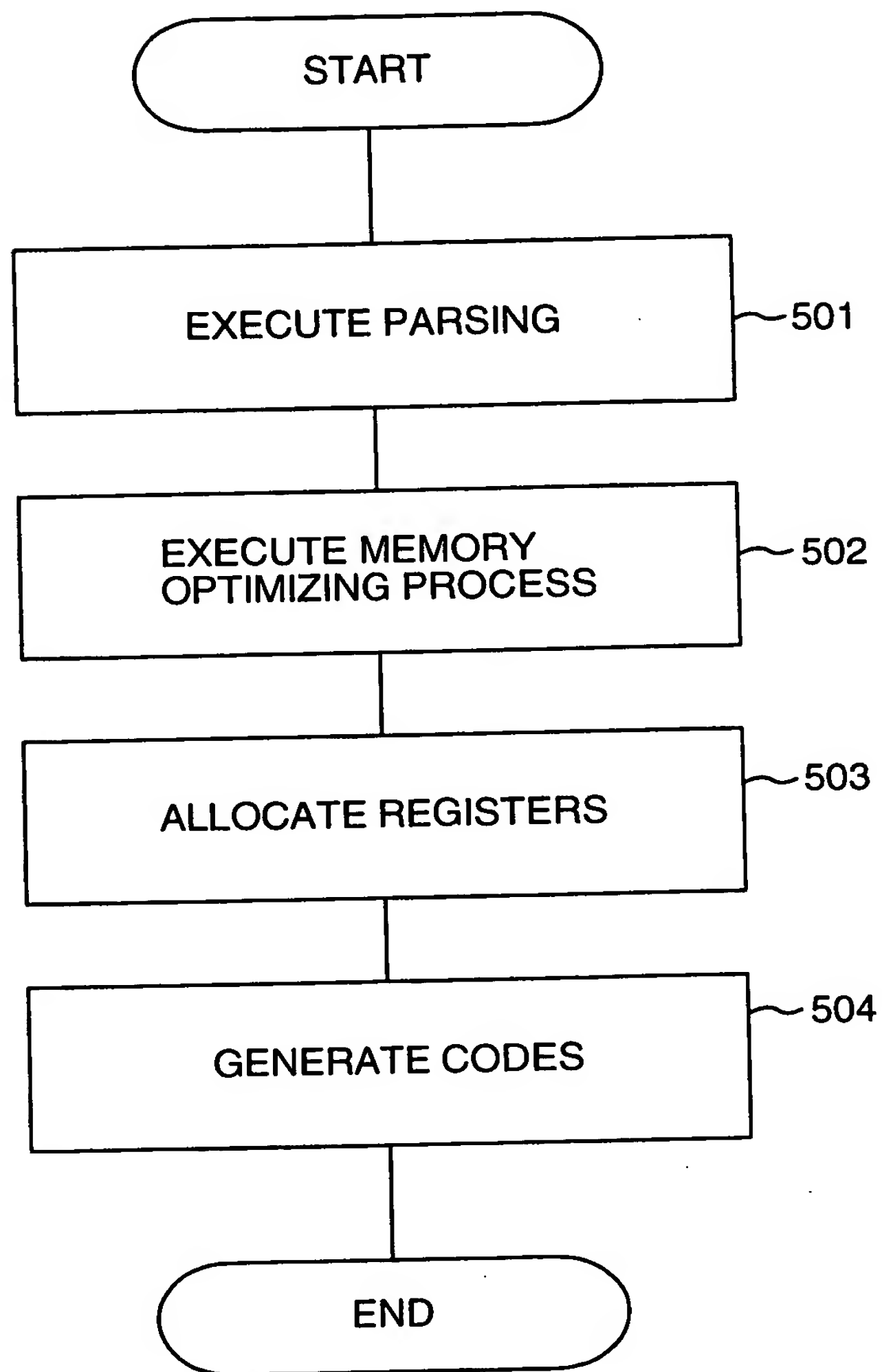
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FIG. 5



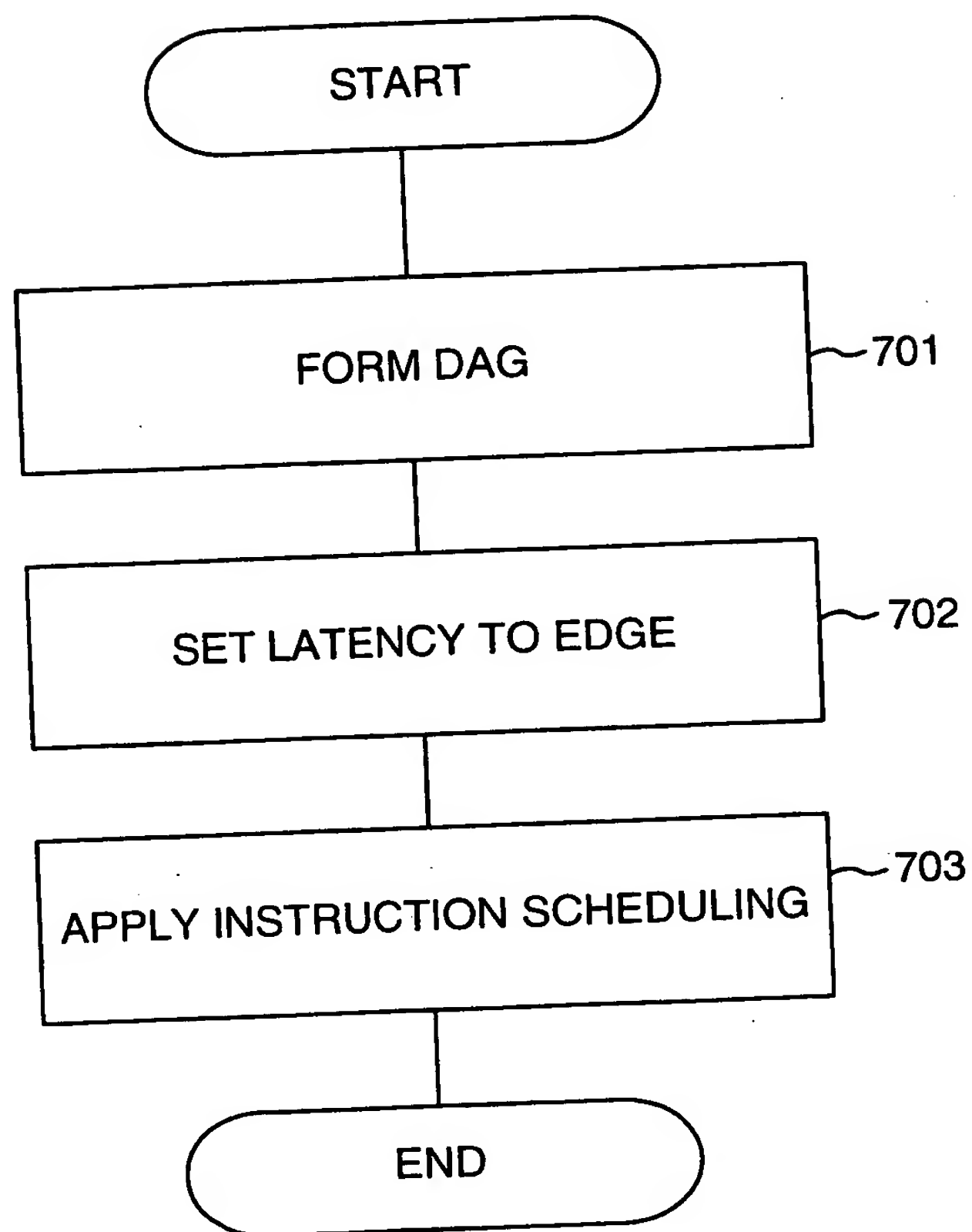
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FIG. 7



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FIG. 8

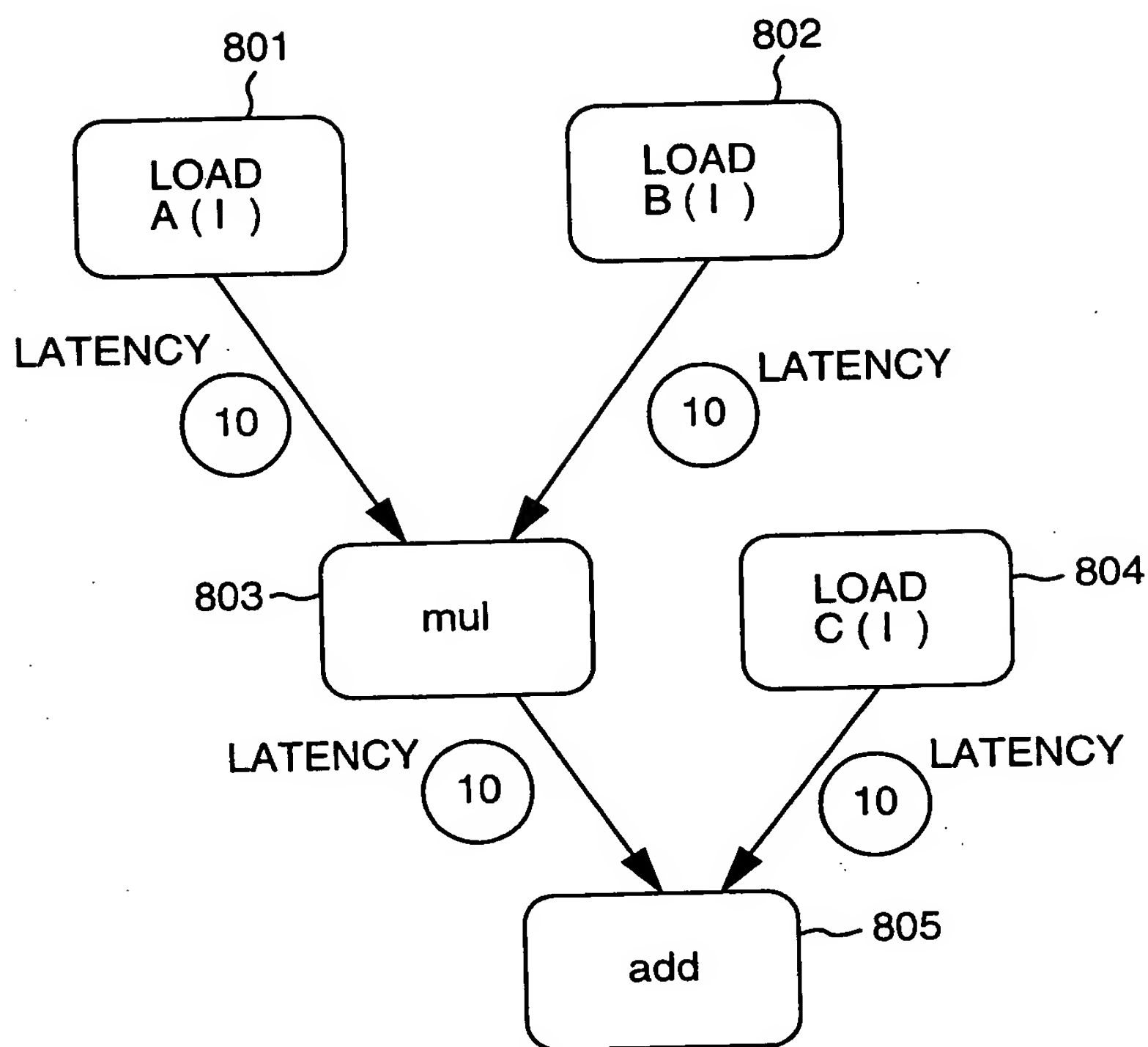
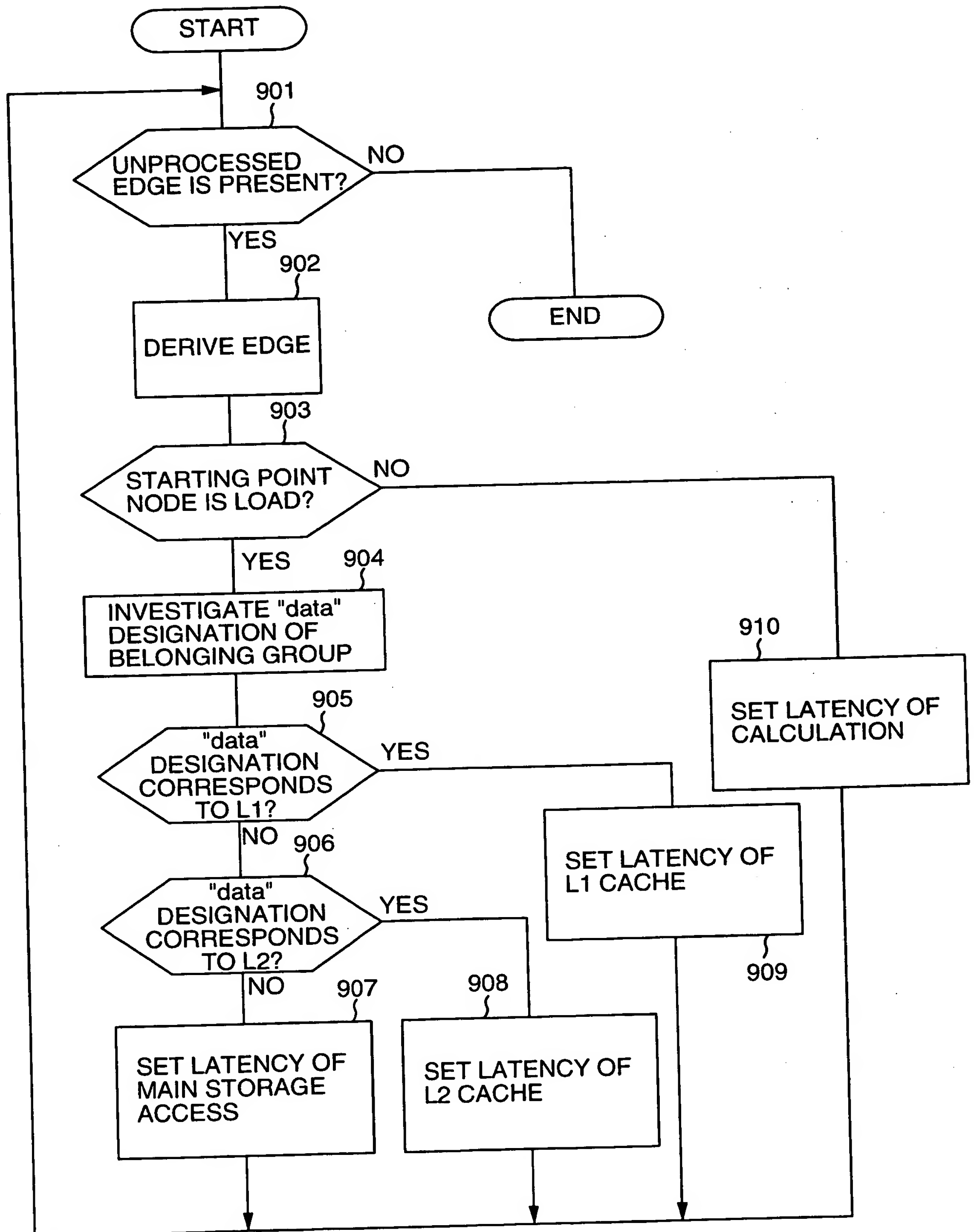


FIG. 9



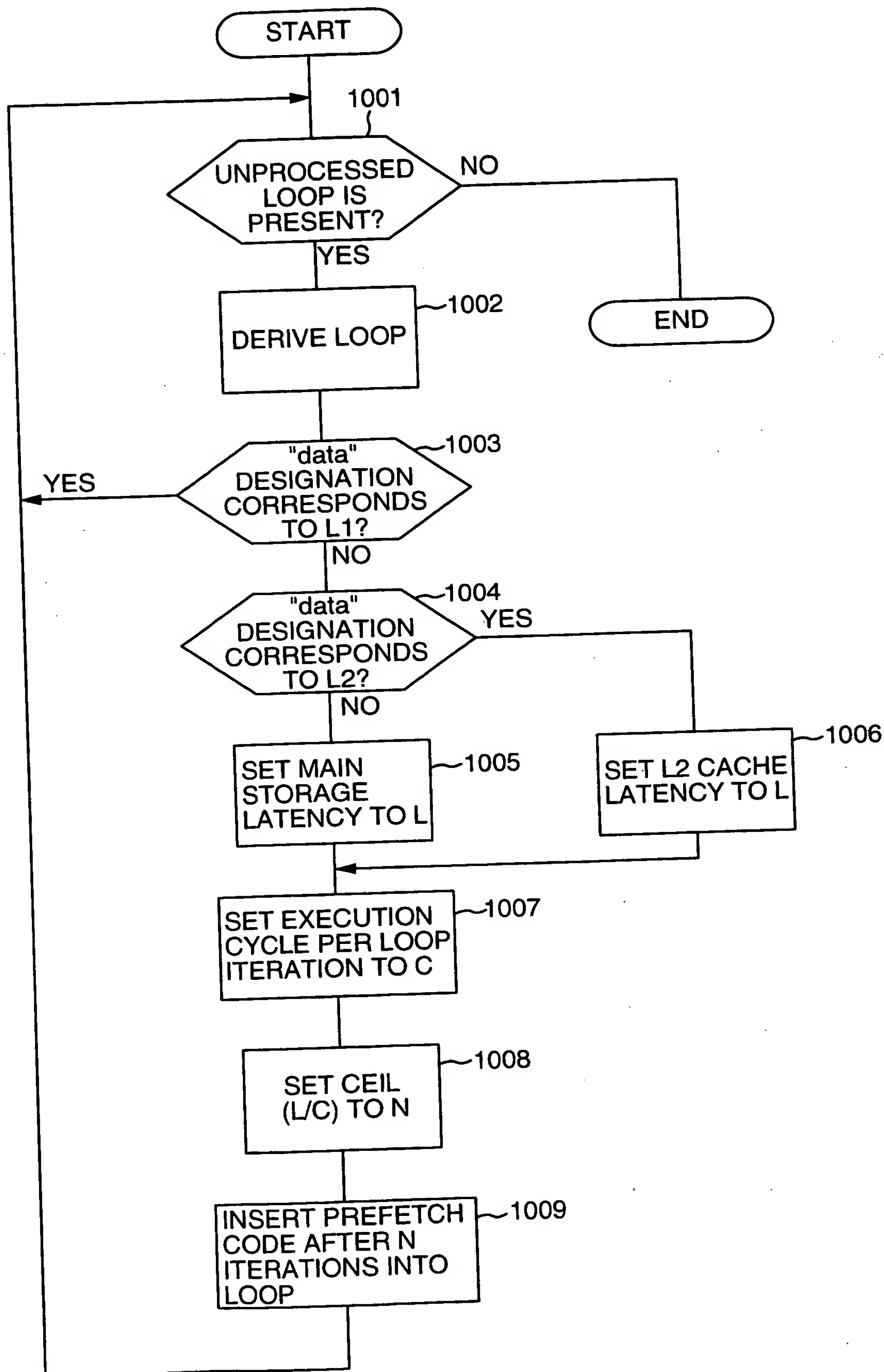
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FIG. 10



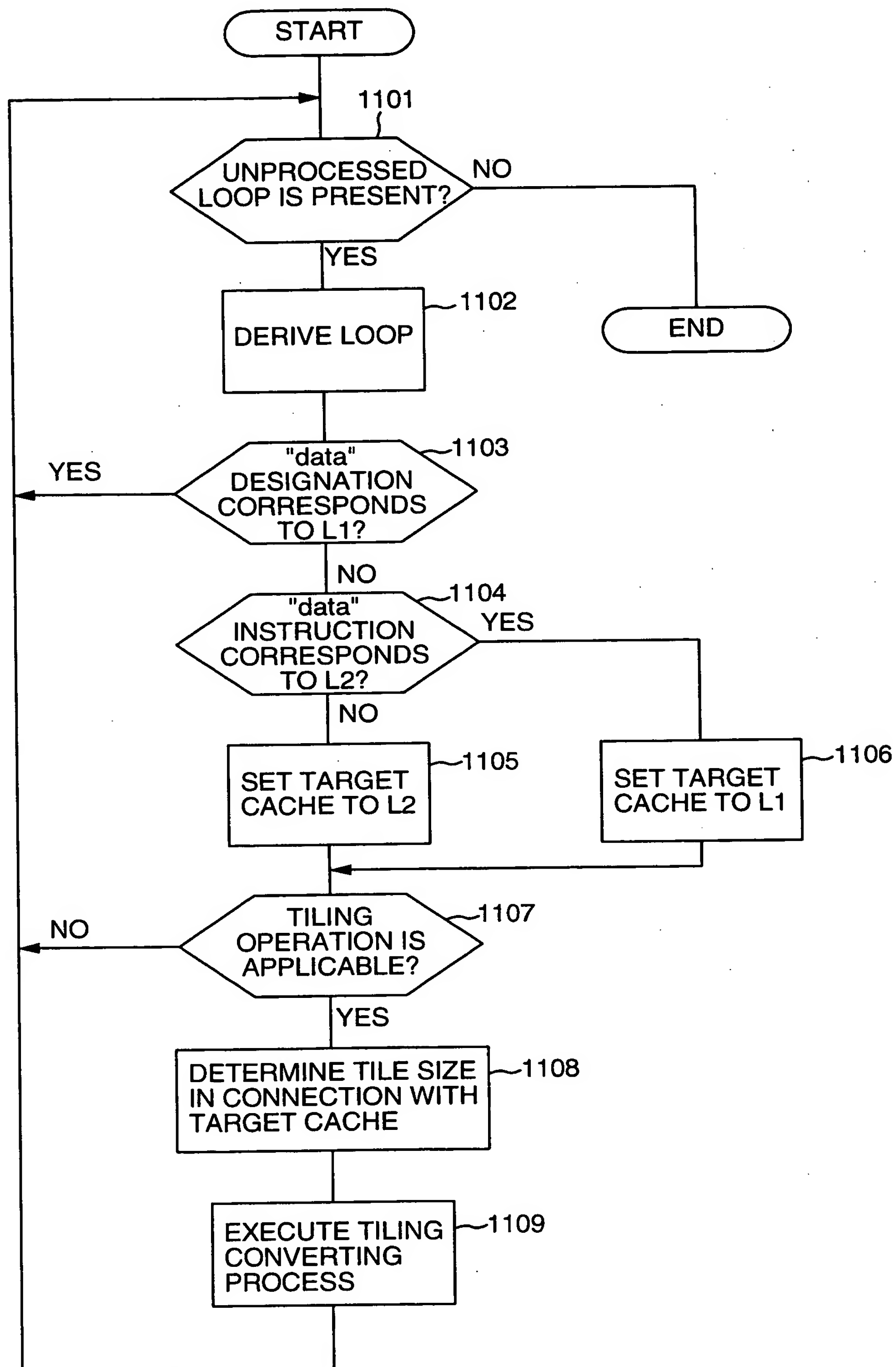
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FIG. 11



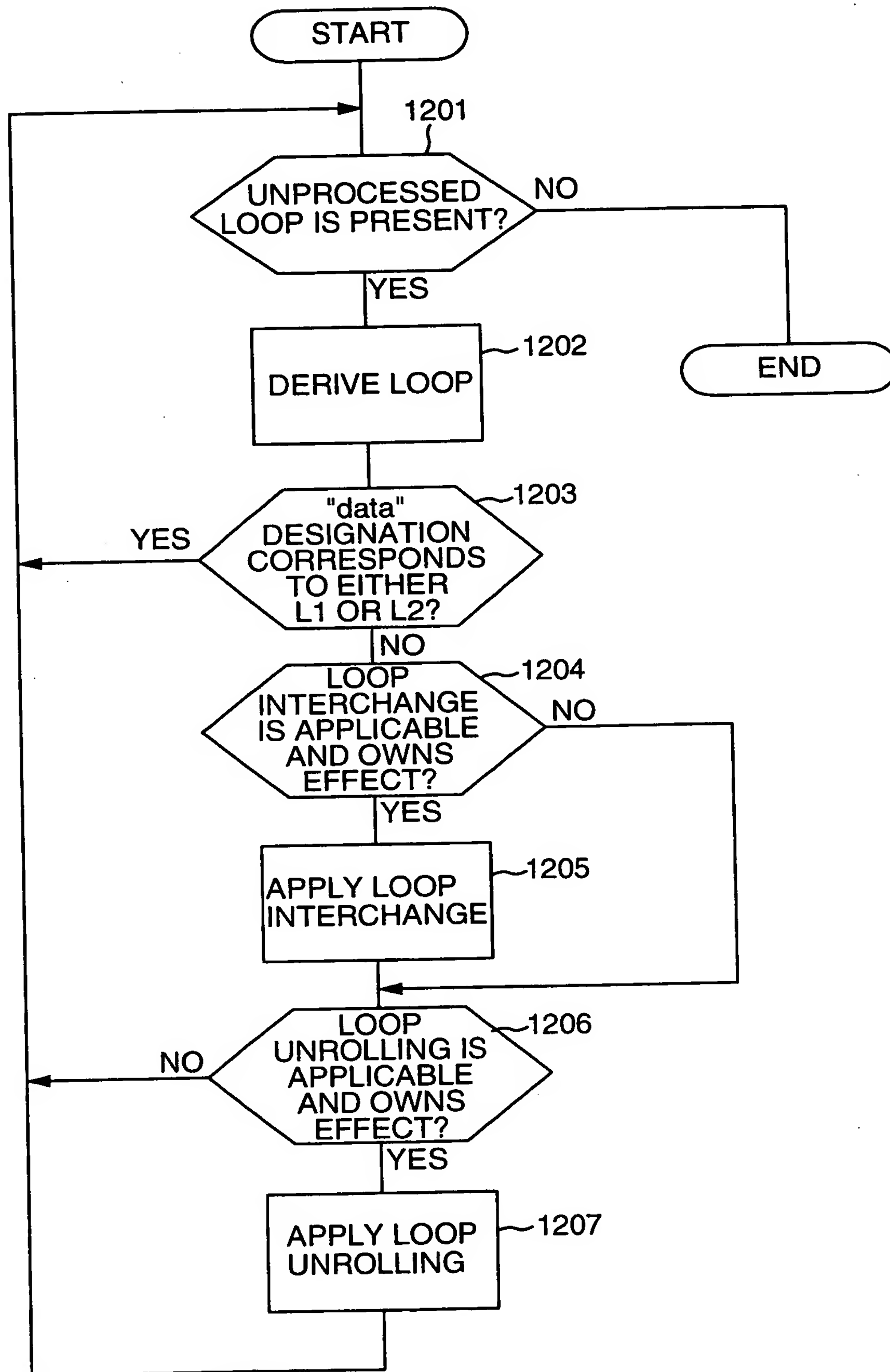
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FIG. 12



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FIG. 13

